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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/663,685 | 09/17/2003 | Harumi Aoishi | Q77511 | 2446 |

23373 7590 03/23/2005

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| EXAMINER |
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RENNER, CRAIG A

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| ART UNIT | PAPER NUMBER |
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2652

DATE MAILED: 03/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/663,685

Applicant(s)

AOISHI, HARUMI

Examiner

Craig A. Renner

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 September 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 17 September 2003.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date: ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Drawings

2. FIGS. 3 and 4 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

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4. The abstract of the disclosure is objected to because it does not avoid the "form and legal phraseology often used in patent claims." Note, for instance, "said" in line 8 thereof. Appropriate correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 1-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Meguro et al. (US 6,433,963).

Meguro teaches a disk cartridge (1) comprising a disk medium (5) fixedly attached on a center core (11); a casing (6), which has a spindle hole (26) through which the center core is exposed to the exterior, and in which the disk medium is rotatably enclosed; and a dust-removing liner (102) fixed on an interior surface of the casing; wherein the center core comprises a large-diameter portion (14) that has an outside diameter greater than the inside diameter of the spindle hole of the casing (lines 23-26 in column 4, for instance, and as shown in FIG. 19, for instance), a thickness greater than that of the dust-removing liner (as shown in FIG. 19, for instance), and a disk surface (adjacent 12) on which the disk medium is fixedly attached (as shown in FIG. 19, for instance) [as per claim 1]; wherein the disk cartridge further comprises a

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small-diameter portion (between 14 and 17 in FIG. 19, for instance) which has an outside diameter smaller than the inside diameter of the spindle hole of the casing (as shown in FIG. 19, for instance), and which is formed on a side, opposite from the disk surface, of the large-diameter portion (as shown in FIG. 19, for instance) so that it is exposed to the exterior through the spindle hole of the casing (as shown in FIG. 19, for instance) [as per claim 3]; wherein the disk medium comprises a magnetic disk medium (lines 39-40 in column 3, for instance) [as per claims 2 and 4]; wherein the dust-removing liner has a center hole (108), arranged approximately concentrically with the spindle hole of the casing (as shown in FIG. 18, for instance), which has an inside diameter greater than the outside diameter of the large-diameter portion of the center core (as shown in FIG. 19, for instance) [as per claim 5].

Pertinent Prior Art

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. This includes Oishi (JP 2001319448), which teaches a disk cartridge comprising a center core with a large-diameter portion that has an outside diameter greater than an inside diameter of a spindle hole of a casing of the disk cartridge and a thickness greater than that of a dust-removing liner; and Lee et al. (US 5,381,402), which teaches a disk cartridge comprising a center core with a large-diameter portion that has an outside diameter greater than an inside diameter of a spindle hole of a casing of the disk cartridge.

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Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Craig A. Renner whose telephone number is (571) 272-7580. The examiner can normally be reached on Tuesday-Friday 9:00 AM - 7:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoa T. Nguyen can be reached on (571) 272-7579. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Craig A. Renner
Primary Examiner
Art Unit 2652

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